This Week in Science

Mineral Dusts and Radon in Uranium Mines


DOE budget battles endanger SLAC; forestry research puts down roots; etc.

Indirect Costs; Round II A Tour Through the Indirect Cost Labyrinth
Famine: Blame Policy, Not Nature
Patriot's Effectiveness Challenged
Congress Approves $9 Billion for NIH
NIH Unveils Plan for Women's Health Project
Yokoh Captures a Solar Flare
Hunger Strike at Kamchatka Institute
Synchrotron Light: The Third Generation • The Biggest and the Brightest
Briefings: Minorities Need More Nurture • Biotech Rollercoaster • Gloomy Words From Soviet Physicist • New Canadian Medical Head • Eccentric Science • Relief for Cat Persons • Toxic Waste Program Lacks Science Base

Chue Found to T Cell Loss in AIDS • Autoimmunity Explored in AIDS Pathology
When Diamonds Met Buckyballs
NMDA Receptor Cloned—Twice!
Ancient Rocks, Rhythms in Mud, a Tipsy Venus: Pushing Plate Tectonics Back a Billion Years • Ocean Mud Pins Down a Million Years of Time • Magellan Finds a Flock of Venusian Volcanoes
Saving Seeds for Future Generations
GRAIL Seeks Out Genes Buried in DNA Sequence

Myth and Realities of U.S. Competitiveness: P. A. Krugman
Molecular Basis of Latency in Pathogenic Human Viruses: M. A. Garcia-Blanco and B. R. Cullem


Superconductivity at 45 K in Rb/Tl Codoped C_{60} and C_{60}/C_{70} Mixtures: Z. Iqbal, R. H. Baughman, B. L. Ramakrishna, S. Khare, N. S. Murthy, H. J. Bornemann, D. E. Morris
COVER Plant lectins, such as the one isolated from the red-flowered *Erythrina coralloidron* tree, agglutinate erythrocytes and serve as a paradigm for protein-carbohydrate interactions at cell surfaces. The unusual quaternary structure of the *E. coralloidron* lectin demonstrates the extreme effect of glycosylation on protein assembly. See page 862. [Photo of the *E. coralloidron* bloom by the Photographic Laboratory, Weizmann Institute; photo of the lectin model by W. Randolph, National Institutes of Health]


839 Structural Control of Flank Volcanism in Continental Riffs: M. Ellis and G. King

842 Theoretical Fermi-Surface Properties and Superconducting Parameters for K$_x$Ca$_{60-x}$S. C. Erwin and W. E. Pickett

845 Modulation of the Affinity of Integrin $\alpha_{IIb}\beta_3$ (GPIIb-IIIa) by the Cytoplasmic Domain of $\alpha_{IIb}$: T. E. O'Toole, D. Mandelman, J. Forsyth, S. J. Shatil, E. F. Plow, M. H. Ginsberg


850 Activation of a Small GTP-Binding Protein by Nucleoside Diphosphate Kinase: F. A. Randazzo, J. K. Northup, R. A. Kahn


860 Selective Depletion in HIV Infection of T Cells That Bear Specific T Cell Receptor $\nu_B$ Sequences: L. Imberti, A. Sottini, A. Bettinardi, M. Puoti, D. Primi

862 Structure of a Legume Lectin with an Ordered N-linked Carbohydrate in Complex with Lactose: B. Shaanan, H. Lis, N. Sharon

866 A Phosphorylation Site in the Na$^+$ Channel Required for Modulation by Protein Kinase C: J. W. West, R. Numann, B. J. Murphy, T. Scheuer, W. A. Cattehall

Book Reviews

871 International Science and National Scientific Identity, reviewed by D. Oldroyd ♦ Scientists in the Third World, J. Hurley ♦ Dung Beetle Ecology, B. Heinrich ♦ Heterochrony, P. Mabee ♦ Books Received

Products & Materials

878 Ligand Binding Software ♦ Microtube Mixer ♦ Oligonucleotide Purification Kit ♦ Miniature Materials Tester ♦ Anti-Virus Software ♦ Automated Cell and Protein Separations ♦ Monoclonal Antibodies ♦ Literature
Science 254 (5033), 775-878.